

Note: All the mode had been tested, but only the worst data was recorded in the report.



12.3. Appendix B: Duty Cycle

12.3.1. Test Result

Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11AX20MIMO	0.56	0.92	0.6087	60.87	2.16	1.79	2
11AX40MIMO	0.20	0.55	0.3636	36.36	4.39	5.00	6
11AX80MIMO	0.19	0.58	0.3276	32.76	4.85	5.26	6

Note:

Duty Cycle Correction Factor=10log (1/x).

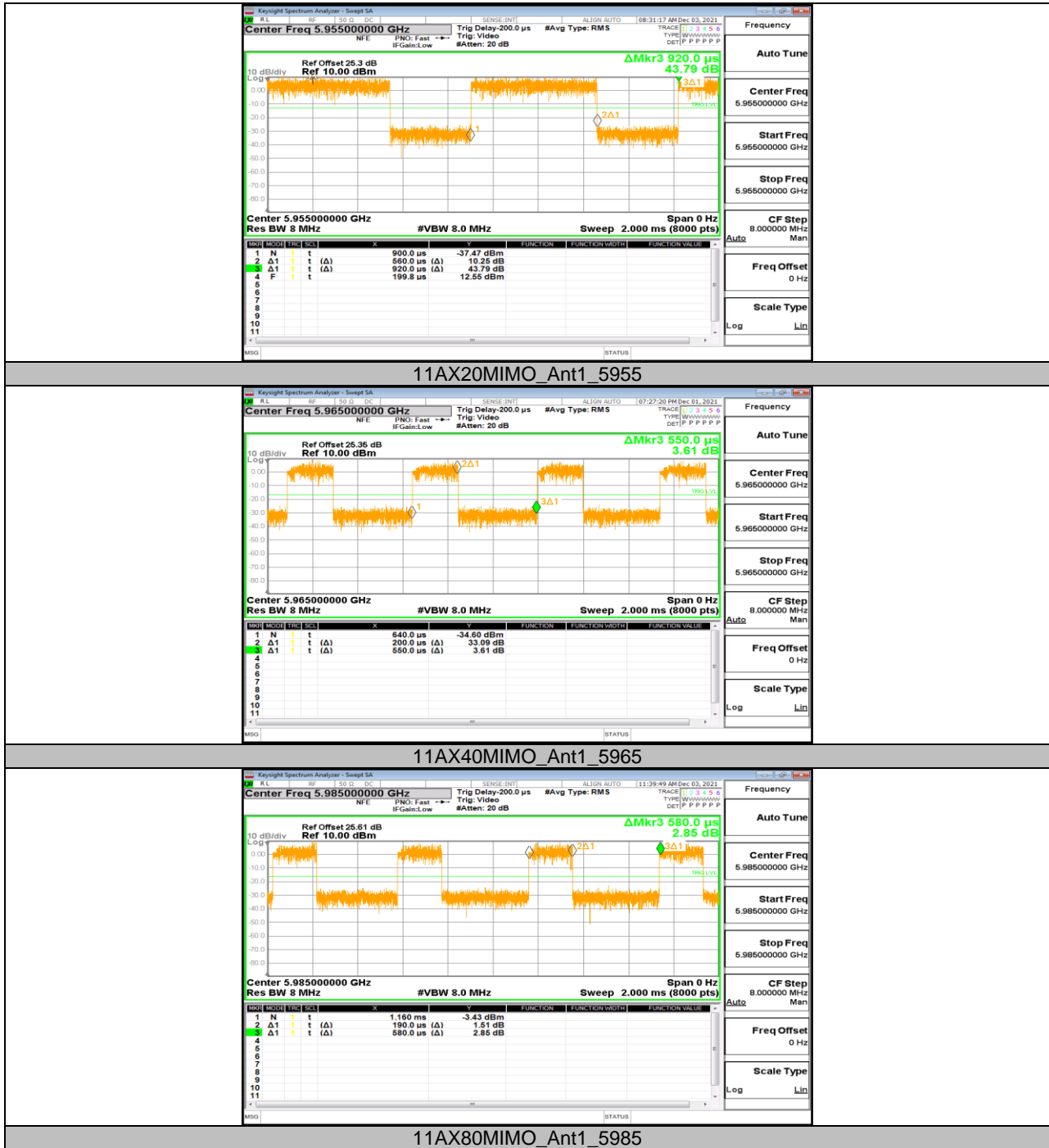
Where: x is Duty Cycle (Linear)

Where: T is On Time

If that calculated VBW is not available on the analyzer then the next higher value should be used.



12.3.2. Test Graphs



Note: All the mode had been tested, but only the worst data was recorded in the report.



12.4. Appendix C: Maximum Average Conducted Output Power
12.4.1. STBC/SDM Mode Test Result

Mode	Frequency (MHz)	Conducted AVG Output Power (dBm)			EIRP POWER (dBm)	Directional gain (dBi)	Limit (dBm)
		ANT1	ANT2	Total			
802.11ax HE20	5955	4.00	3.12	6.59	7.84	1.25	24
	6175	3.67	3.62	6.66	7.91	1.25	24
	6415	3.54	3.89	6.73	7.98	1.25	24
	6435	3.79	3.58	6.70	7.95	1.25	24
	6475	3.44	3.93	6.70	7.95	1.25	24
	6515	3.40	4.14	6.80	8.05	1.25	24
	6535	3.38	4.21	6.83	8.08	1.25	24
	6715	4.61	4.55	7.59	8.84	1.25	24
	6855	4.27	3.79	7.05	8.30	1.25	24
	6875	5.54	4.93	8.26	9.51	1.25	24
	7015	3.65	4.35	7.02	8.27	1.25	24
7115	3.86	4.26	7.07	8.32	1.25	24	
802.11ax HE40	5965	5.08	5.10	8.10	9.35	1.25	24
	6165	4.62	5.32	7.99	9.24	1.25	24
	6405	3.99	4.85	7.45	8.70	1.25	24
	6445	4.68	5.42	8.08	9.33	1.25	24
	6485	4.23	5.42	7.88	9.13	1.25	24
	6525	4.41	5.62	8.08	9.33	1.25	24
	6565	4.48	5.55	8.06	9.31	1.25	24
	6725	5.48	5.85	8.68	9.93	1.25	24
	6845	5.02	5.57	8.31	9.56	1.25	24
	6885	4.87	5.60	8.26	9.51	1.25	24
	7005	4.33	5.80	8.14	9.39	1.25	24
7085	4.46	5.75	8.16	9.41	1.25	24	
802.11ax HE80	5985	6.56	6.71	9.65	10.90	1.25	24
	6145	7.44	7.87	10.67	11.92	1.25	24
	6385	6.84	7.10	9.98	11.23	1.25	24
	6465	6.06	7.14	9.64	10.89	1.25	24
	6545	6.13	7.14	9.67	10.92	1.25	24
	6625	6.22	7.51	9.92	11.17	1.25	24
	6705	6.94	7.57	10.28	11.53	1.25	24
	6785	6.99	7.08	10.05	11.30	1.25	24
	6865	6.75	7.16	9.97	11.22	1.25	24
	6945	6.33	7.18	9.79	11.04	1.25	24
7025	6.48	7.50	10.03	11.28	1.25	24	

Note: 1. Conducted Power=Meas. Level+ Correction Factor
2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.



12.4.2. Tx Beamforming Mode Test Result

Mode	Frequency (MHz)	Conducted AVG Output Power (dBm)			EIRP POWER (dBm)	Directional gain (dBi)	Limit (dBm)
		ANT1	ANT2	Total			
802.11ax HE20	5955	1.19	0.60	3.92	8.18	4.26	24
	6175	0.61	0.87	3.75	8.01	4.26	24
	6415	0.70	0.79	3.76	8.02	4.26	24
	6435	0.65	0.78	3.73	7.99	4.26	24
	6475	0.30	1.26	3.82	8.08	4.26	24
	6515	0.23	1.32	3.82	8.08	4.26	24
	6535	0.53	1.34	3.96	8.22	4.26	24
	6715	1.53	1.66	4.61	8.87	4.26	24
	6855	0.96	1.12	4.05	8.31	4.26	24
	6875	2.41	2.12	5.28	9.54	4.26	24
	7015	0.73	1.34	4.06	8.32	4.26	24
7115	1.00	1.32	4.17	8.43	4.26	24	
802.11ax HE40	5965	2.91	1.97	5.48	9.74	4.26	24
	6165	1.83	2.75	5.32	9.58	4.26	24
	6405	1.36	2.01	4.71	8.97	4.26	24
	6445	1.40	3.22	5.41	9.67	4.26	24
	6485	1.80	3.29	5.62	9.88	4.26	24
	6525	1.18	3.05	5.23	9.49	4.26	24
	6565	1.67	3.33	5.59	9.85	4.26	24
	6725	2.35	2.98	5.69	9.95	4.26	24
	6845	1.88	2.73	5.34	9.60	4.26	24
	6885	2.17	2.73	5.47	9.73	4.26	24
	7005	1.64	3.08	5.43	9.69	4.26	24
7085	1.88	3.27	5.64	9.90	4.26	24	
802.11ax HE80	5985	3.95	3.90	6.94	11.20	4.26	24
	6145	4.48	4.86	7.68	11.94	4.26	24
	6385	3.65	4.26	6.98	11.24	4.26	24
	6465	3.70	4.91	7.36	11.62	4.26	24
	6545	3.63	4.51	7.10	11.36	4.26	24
	6625	3.96	5.27	7.67	11.93	4.26	24
	6705	4.72	4.90	7.82	12.08	4.26	24
	6785	4.37	4.53	7.46	11.72	4.26	24
	6865	4.05	4.47	7.28	11.54	4.26	24
	6945	3.72	4.89	7.35	11.61	4.26	24
	7025	3.44	5.01	7.31	11.57	4.26	24

Note: 1. Conducted Power=Meas. Level+ Correction Factor
2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.



12.4.1. CDD Mode Test Result

Mode	Frequency (MHz)	Conducted AVG Output Power (dBm)			EIRP POWER (dBm)	Directional gain (dBi)	Limit (dBm)
		ANT1	ANT2	Total			
802.11ax HE20	5955	1.19	0.60	3.92	5.17	1.25	24
	6175	0.61	0.87	3.75	5.00	1.25	24
	6415	0.70	0.79	3.76	5.01	1.25	24
	6435	0.65	0.78	3.73	4.98	1.25	24
	6475	0.30	1.26	3.82	5.07	1.25	24
	6515	0.23	1.32	3.82	5.07	1.25	24
	6535	0.53	1.34	3.96	5.21	1.25	24
	6715	1.53	1.66	4.61	5.86	1.25	24
	6855	0.96	1.12	4.05	5.30	1.25	24
	6875	2.41	2.12	5.28	6.53	1.25	24
	7015	0.73	1.34	4.06	5.31	1.25	24
7115	1.00	1.32	4.17	5.42	1.25	24	
802.11ax HE40	5965	2.91	1.97	5.48	6.73	1.25	24
	6165	1.83	2.75	5.32	6.57	1.25	24
	6405	1.36	2.01	4.71	5.96	1.25	24
	6445	1.40	3.22	5.41	6.66	1.25	24
	6485	1.80	3.29	5.62	6.87	1.25	24
	6525	1.18	3.05	5.23	6.48	1.25	24
	6565	1.67	3.33	5.59	6.84	1.25	24
	6725	2.35	2.98	5.69	6.94	1.25	24
	6845	1.88	2.73	5.34	6.59	1.25	24
	6885	2.17	2.73	5.47	6.72	1.25	24
	7005	1.64	3.08	5.43	6.68	1.25	24
7085	1.88	3.27	5.64	6.89	1.25	24	
802.11ax HE80	5985	3.95	3.90	6.94	8.19	1.25	24
	6145	4.48	4.86	7.68	8.93	1.25	24
	6385	3.65	4.26	6.98	8.23	1.25	24
	6465	3.70	4.91	7.36	8.61	1.25	24
	6545	3.63	4.51	7.10	8.35	1.25	24
	6625	3.96	5.27	7.67	8.92	1.25	24
	6705	4.72	4.90	7.82	9.07	1.25	24
	6785	4.37	4.53	7.46	8.71	1.25	24
	6865	4.05	4.47	7.28	8.53	1.25	24
	6945	3.72	4.89	7.35	8.60	1.25	24
	7025	3.44	5.01	7.31	8.56	1.25	24

Note: 1. Conducted Power=Meas. Level+ Correction Factor
2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

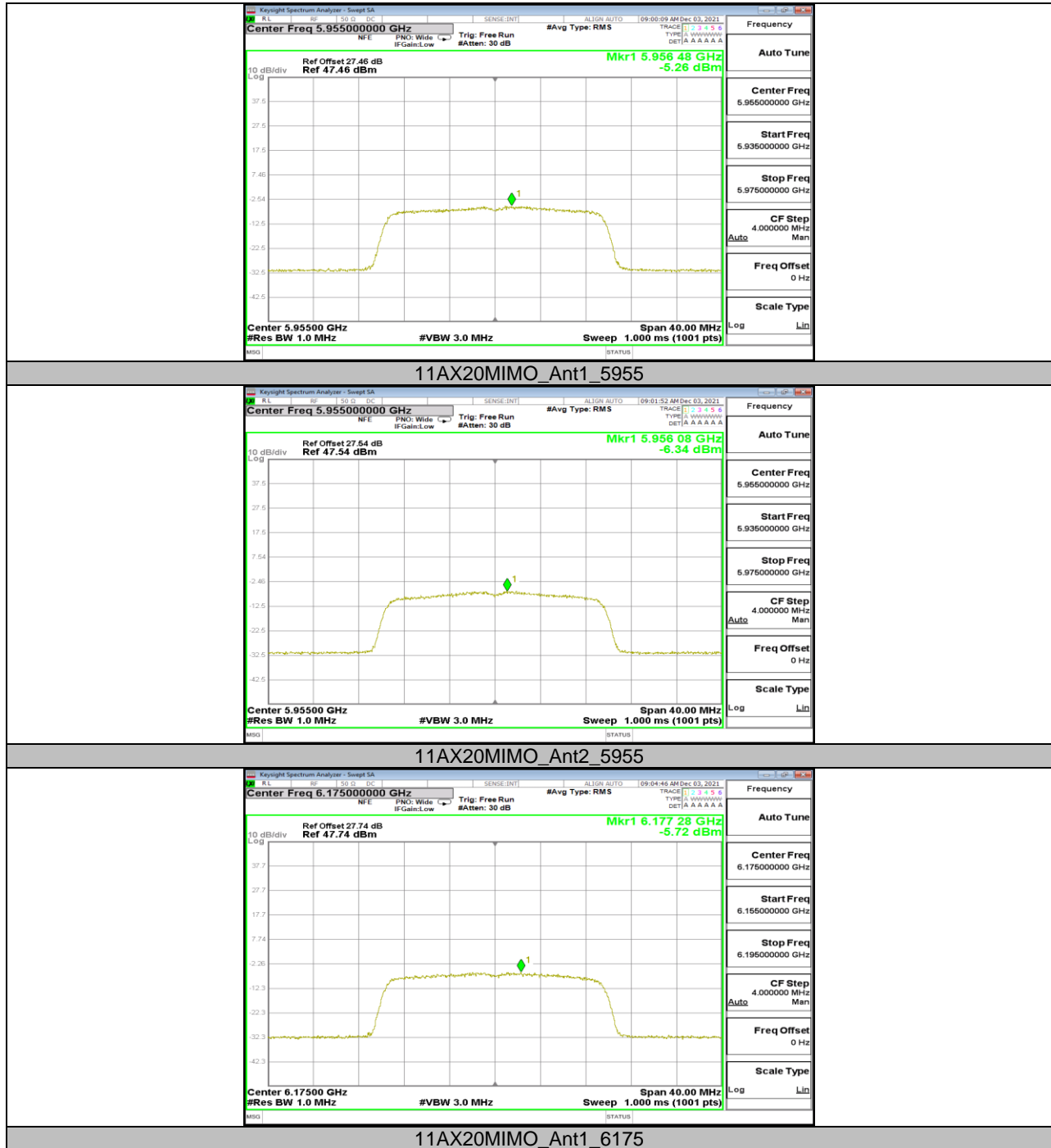


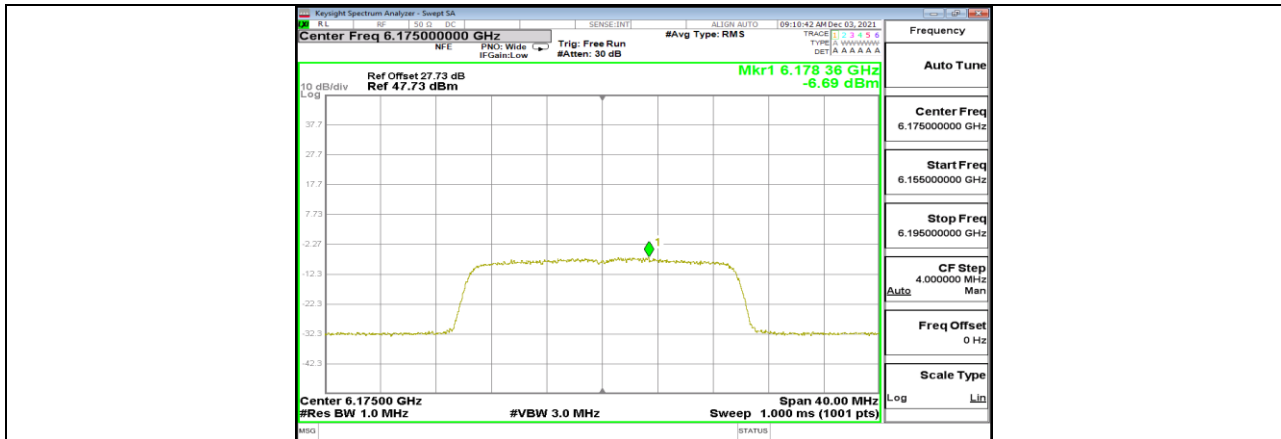
12.5. Appendix E: Maximum Power Spectral Density
12.5.1. STBC/SDM Mode Test Result

Mode	Frequency (MHz)	PSD (dBm/MHz)			Directional gain (dBi)	EIRP PSD (dBm/MHz)	EIRP Limit (dBm/MHz)
		ANT1	ANT2	Total			
802.11ax HE20	5955	-5.26	-6.34	-2.76	1.25	-1.51	-1
	6175	-5.72	-6.69	-3.17	1.25	-1.92	-1
	6415	-6.02	-5.14	-2.55	1.25	-1.30	-1
	6435	-6.06	-5.60	-2.81	1.25	-1.56	-1
	6475	-6.22	-5.91	-3.05	1.25	-1.80	-1
	6515	-5.70	-6.31	-2.98	1.25	-1.73	-1
	6535	-5.46	-5.16	-2.30	1.25	-1.05	-1
	6715	-5.23	-5.41	-2.31	1.25	-1.06	-1
	6855	-5.31	-6.10	-2.68	1.25	-1.43	-1
	6875	-5.56	-6.09	-2.81	1.25	-1.56	-1
	7015	-6.30	-5.69	-2.97	1.25	-1.72	-1
7115	-5.15	-5.74	-2.42	1.25	-1.17	-1	
802.11ax HE40	5965	-5.10	-5.85	-2.45	1.25	-1.20	-1
	6165	-5.27	-5.61	-2.43	1.25	-1.18	-1
	6405	-5.82	-5.64	-2.72	1.25	-1.47	-1
	6445	-5.36	-5.68	-2.51	1.25	-1.26	-1
	6485	-6.16	-5.47	-2.79	1.25	-1.54	-1
	6525	-5.37	-6.57	-2.92	1.25	-1.67	-1
	6565	-6.10	-5.46	-2.76	1.25	-1.51	-1
	6725	-5.21	-5.85	-2.49	1.25	-1.24	-1
	6845	-5.37	-5.92	-2.63	1.25	-1.38	-1
	6885	-6.13	-5.44	-2.76	1.25	-1.51	-1
	7005	-5.95	-5.87	-2.90	1.25	-1.65	-1
7085	-5.99	-5.73	-2.85	1.25	-1.60	-1	
802.11ax HE80	5985	-5.80	-5.81	-2.79	1.25	-1.54	-1
	6145	-5.15	-5.96	-2.53	1.25	-1.28	-1
	6385	-5.94	-6.40	-3.15	1.25	-1.90	-1
	6465	-6.74	-5.31	-2.96	1.25	-1.71	-1
	6545	-6.40	-5.86	-3.11	1.25	-1.86	-1
	6625	-6.19	-6.45	-3.31	1.25	-2.06	-1
	6705	-5.28	-5.95	-2.59	1.25	-1.34	-1
	6785	-5.48	-6.20	-2.81	1.25	-1.56	-1
	6865	-5.74	-5.93	-2.82	1.25	-1.57	-1
	6945	-6.15	-5.66	-2.89	1.25	-1.64	-1
7025	-5.20	-5.35	-2.26	1.25	-1.01	-1	

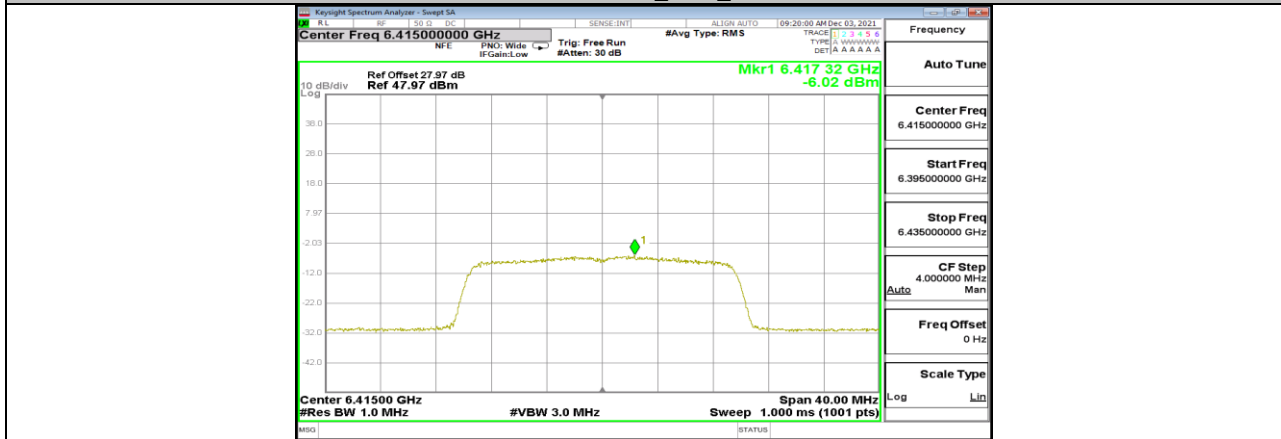
Note: 1. The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.

12.5.2. STBC/SDM Mode Test Graphs

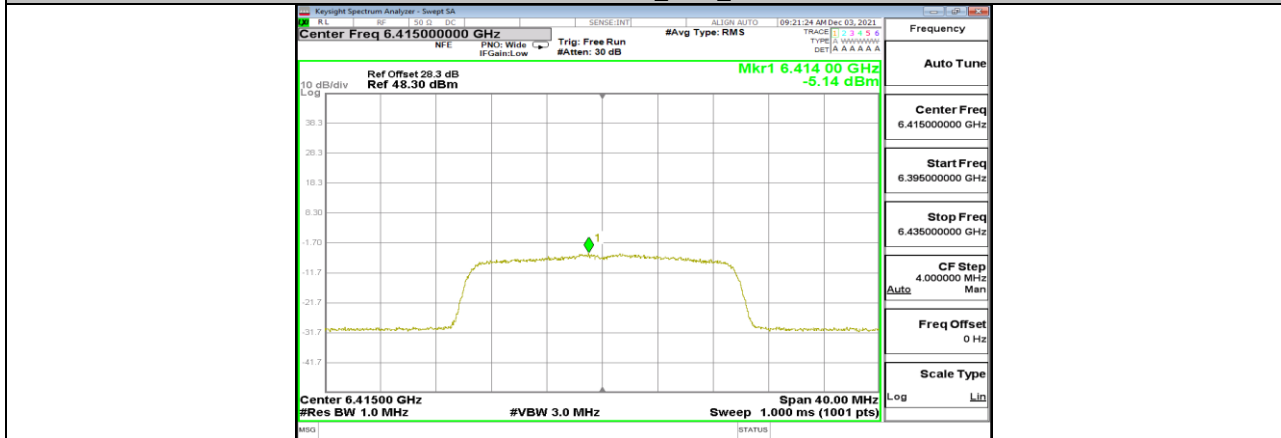




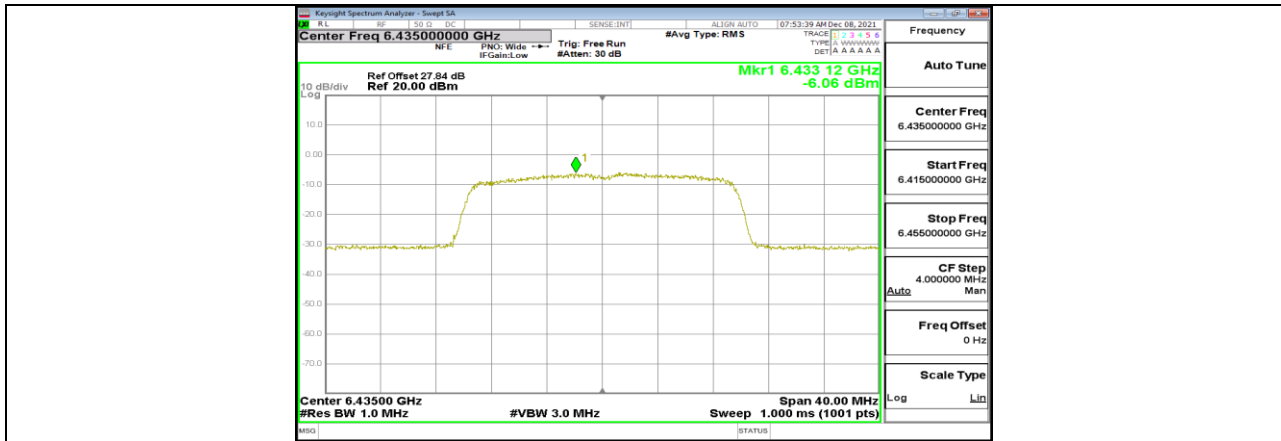
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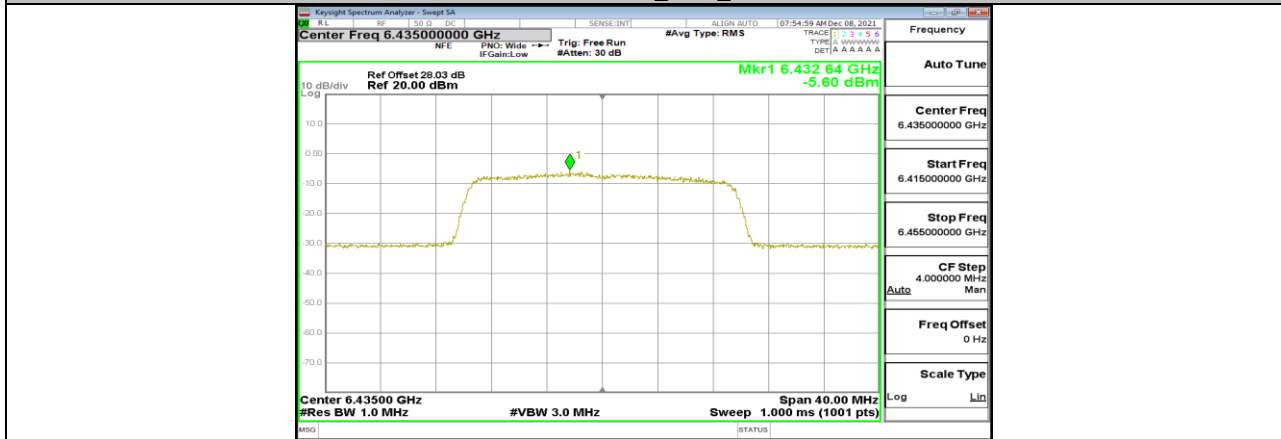
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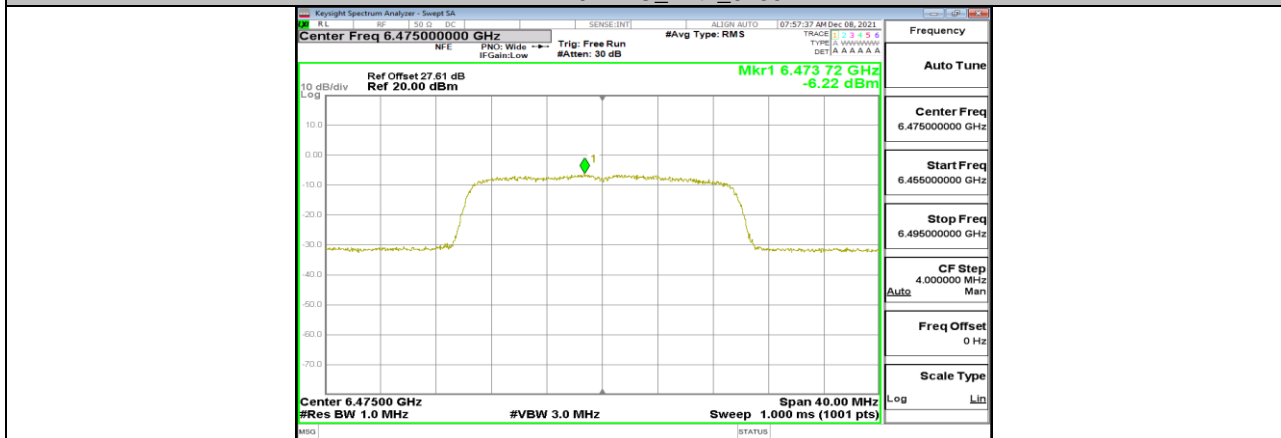
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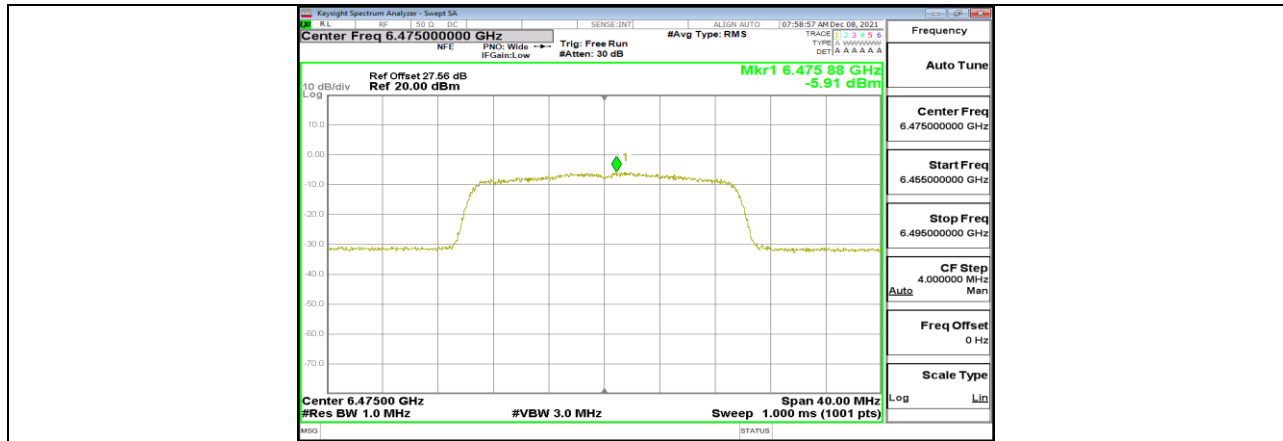
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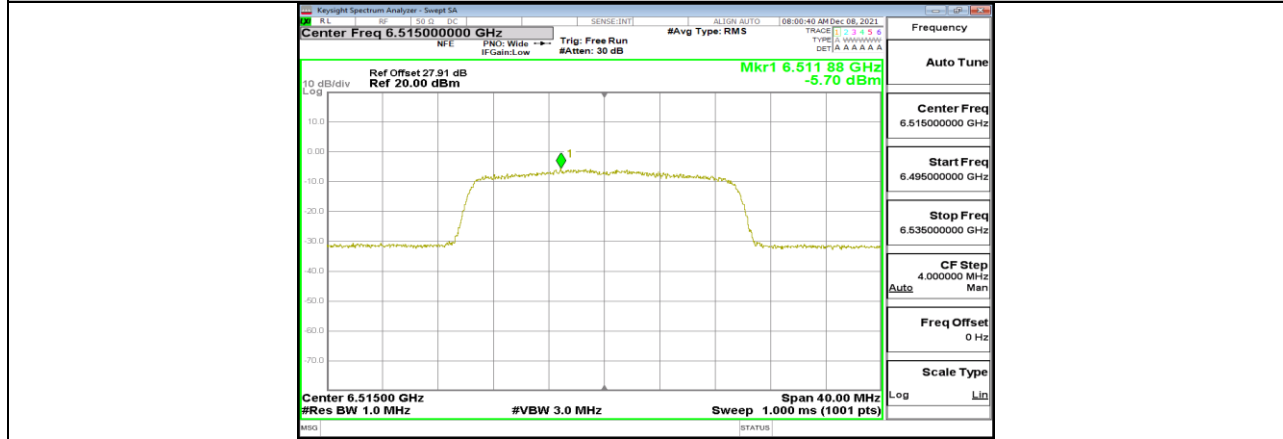
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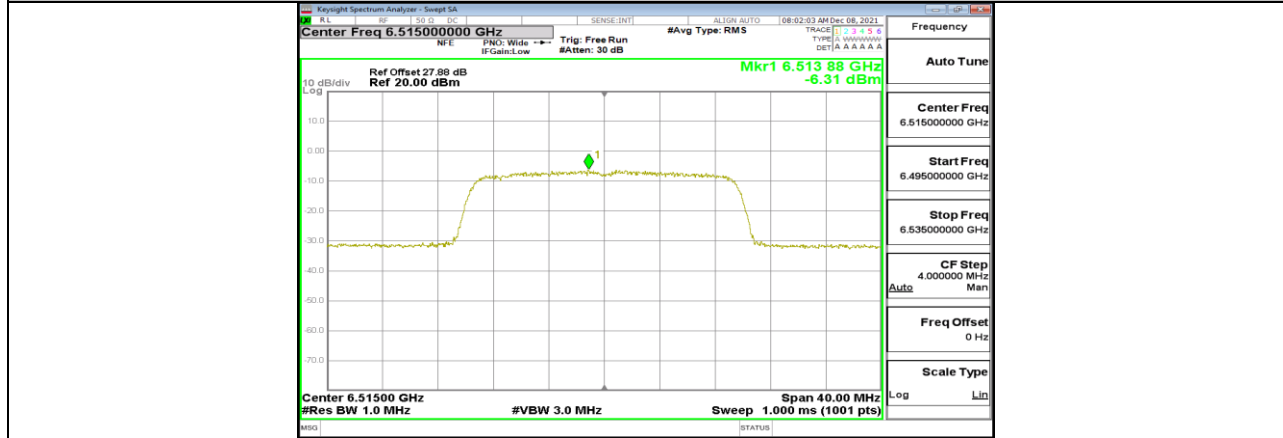
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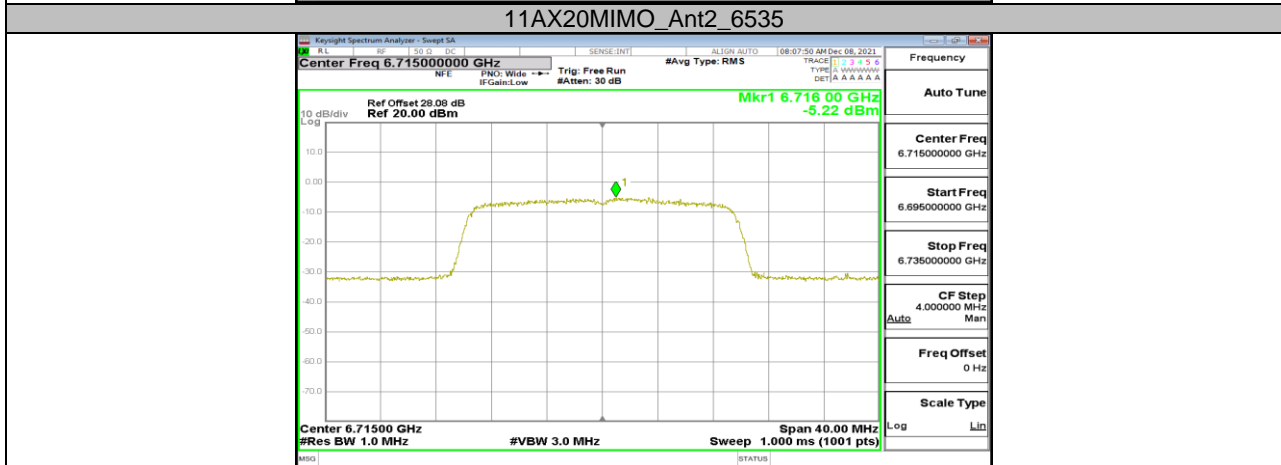
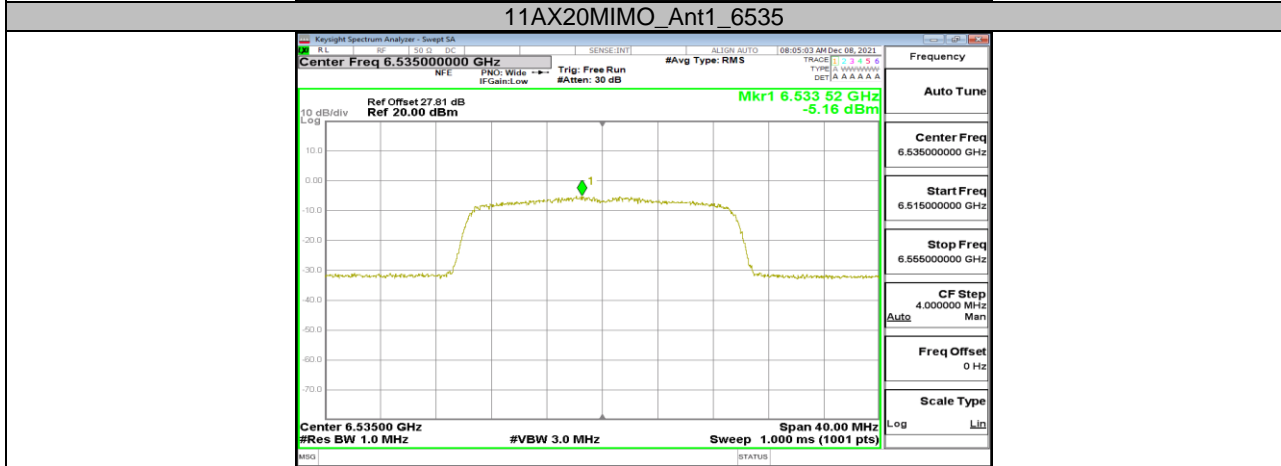
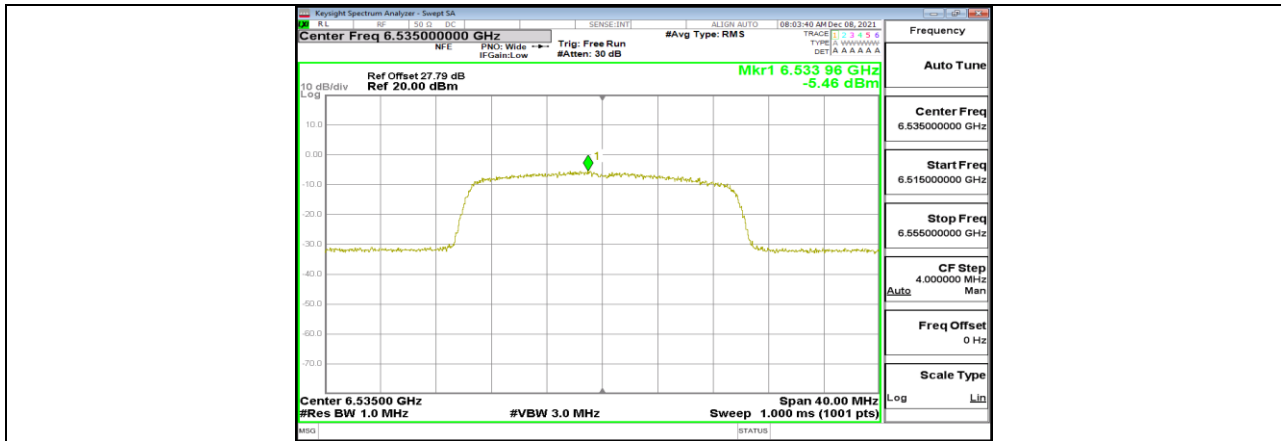
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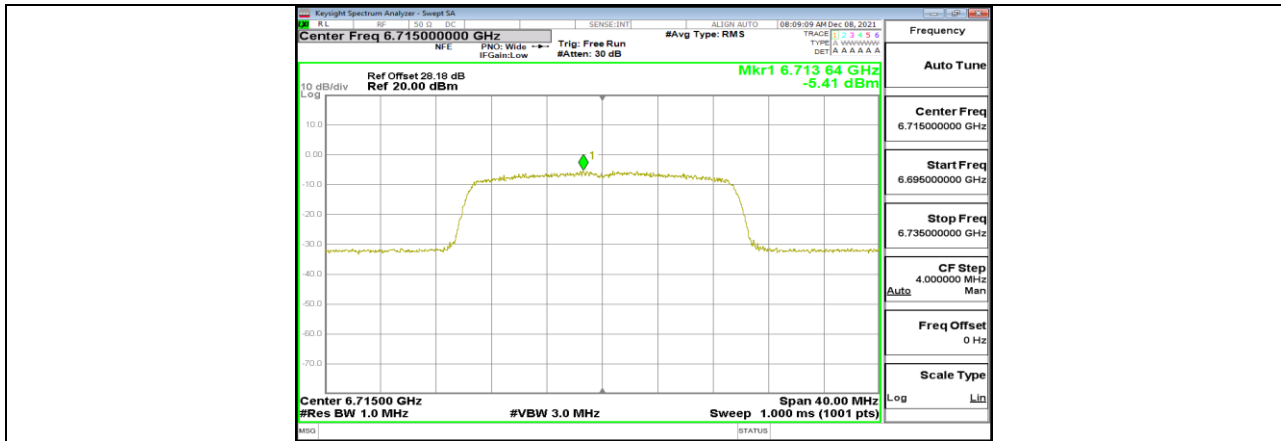
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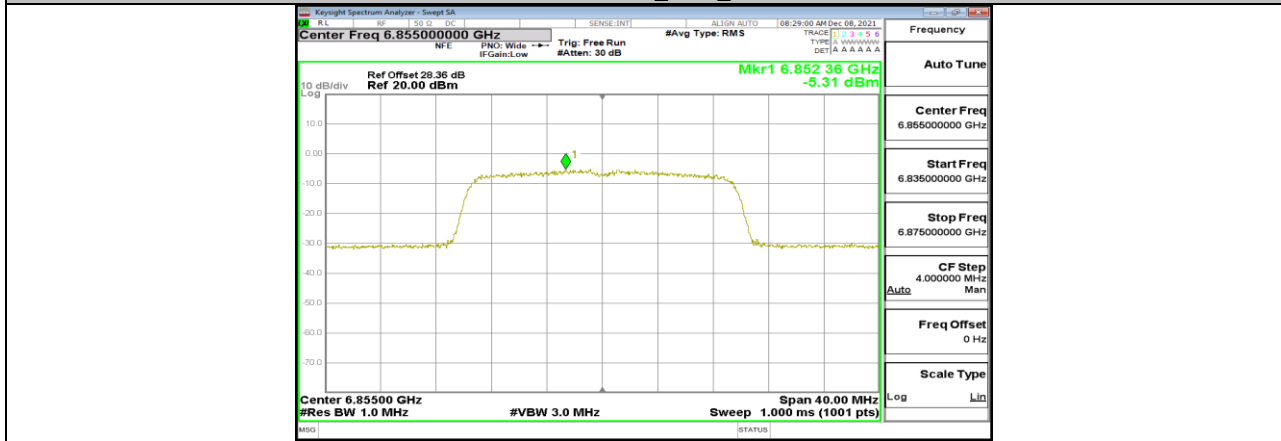
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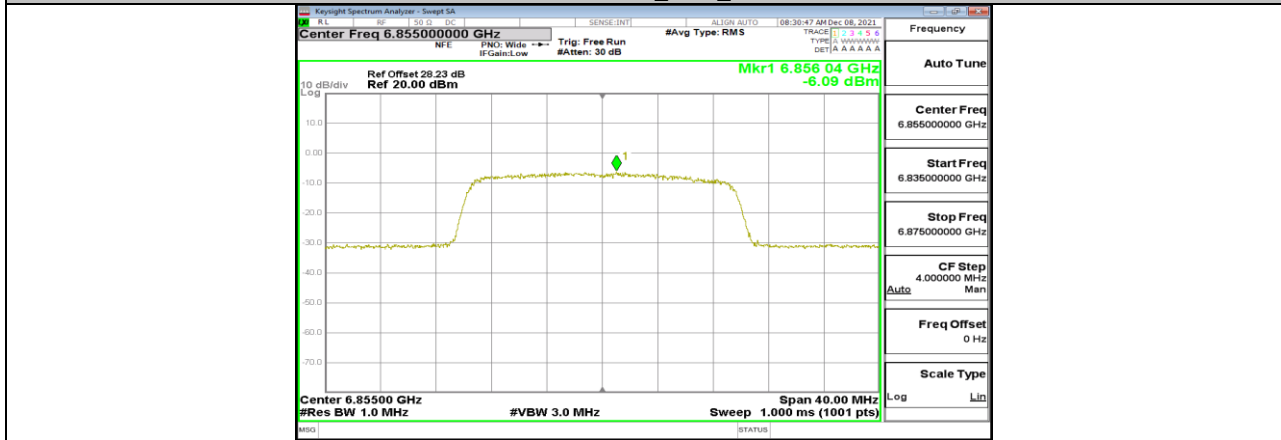
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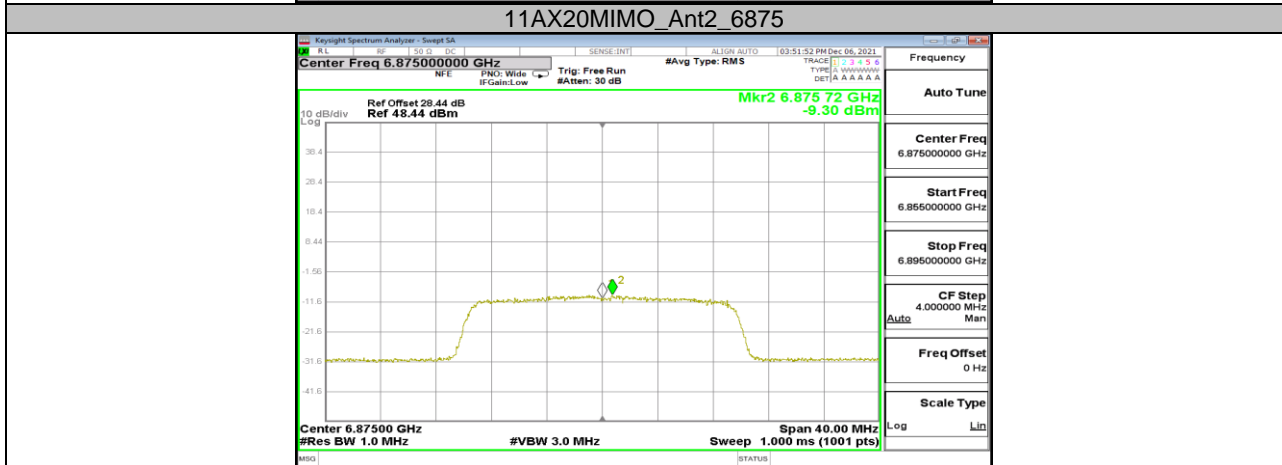
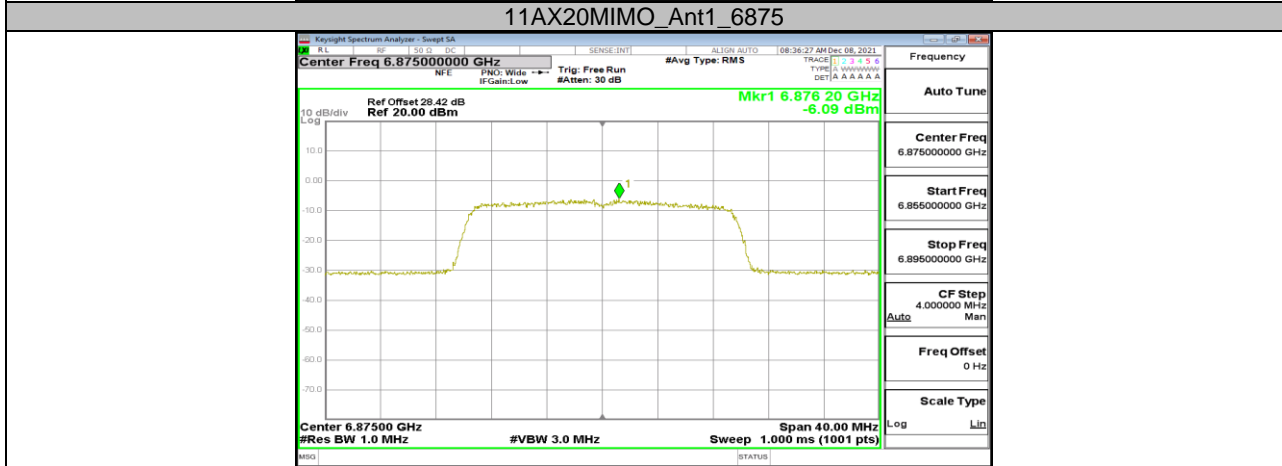
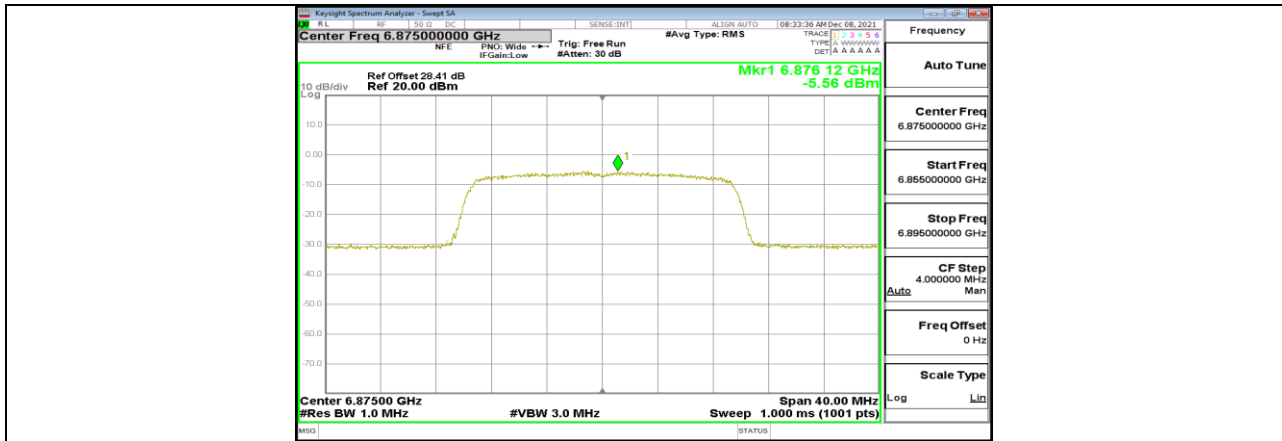
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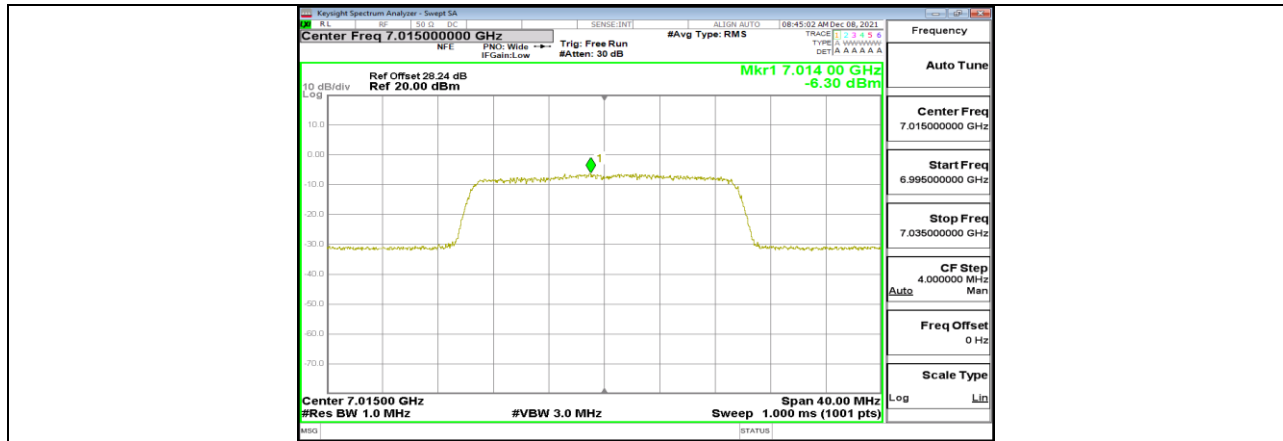
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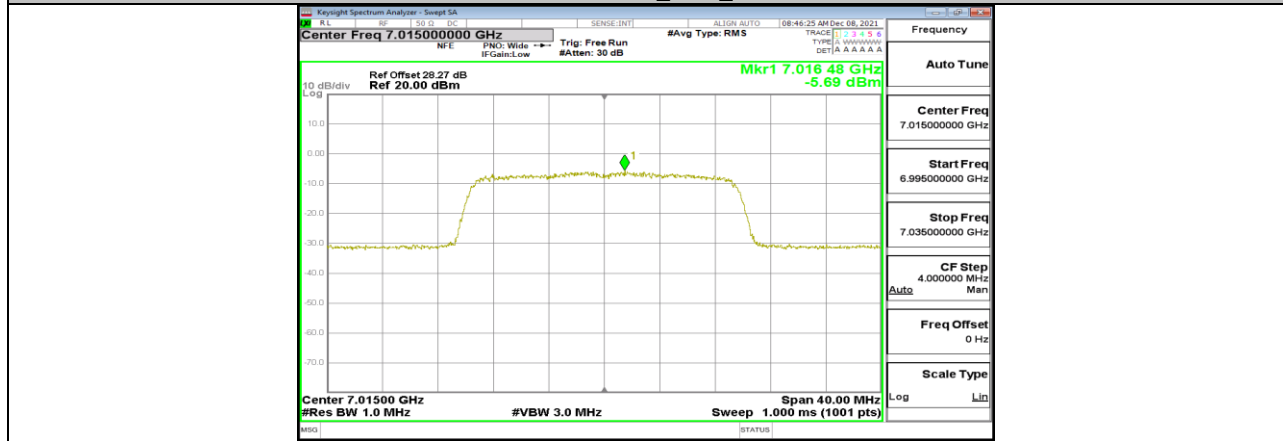
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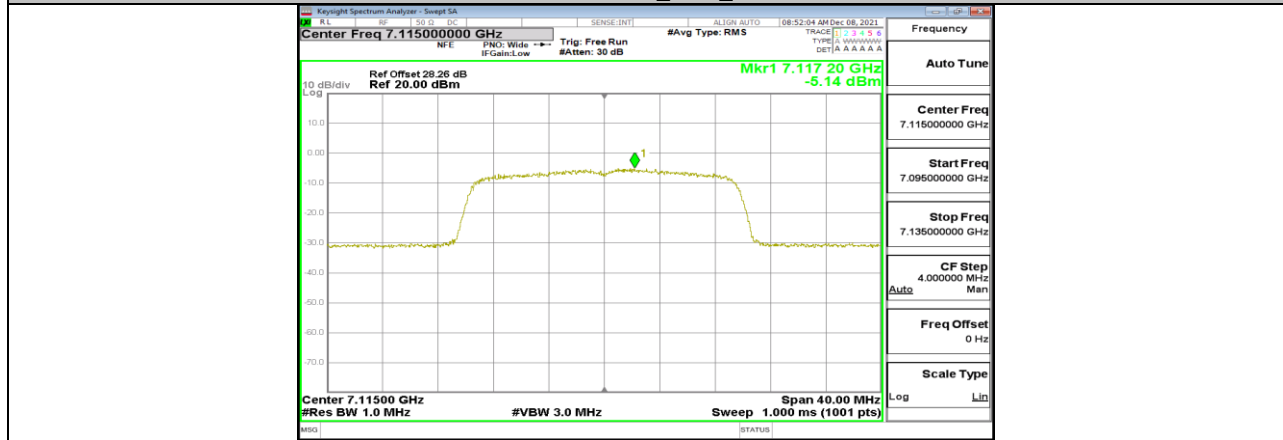
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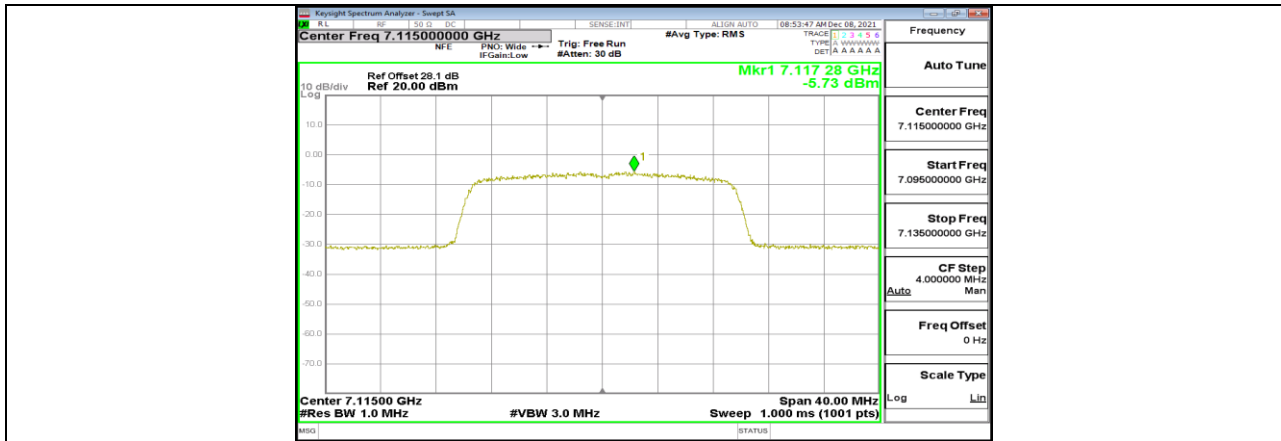
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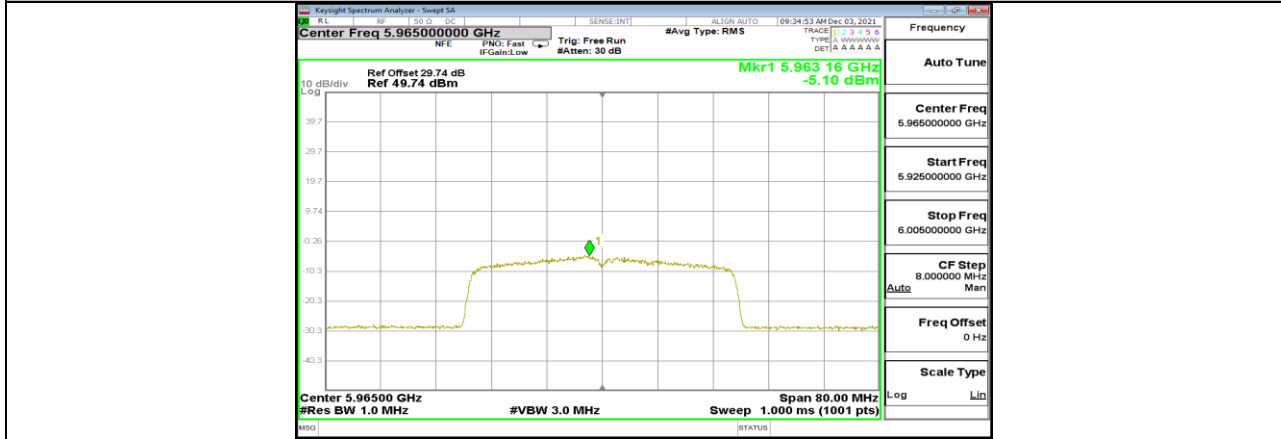
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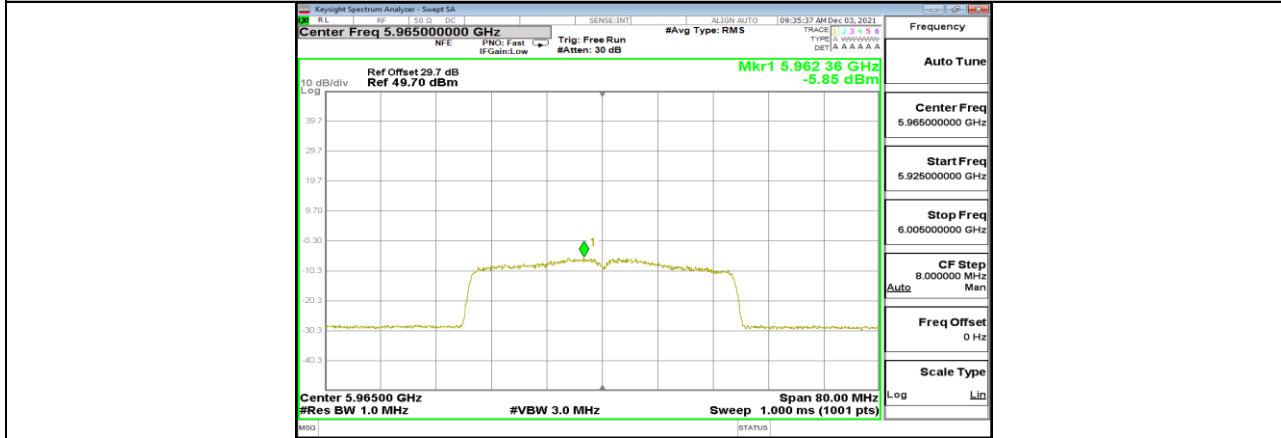
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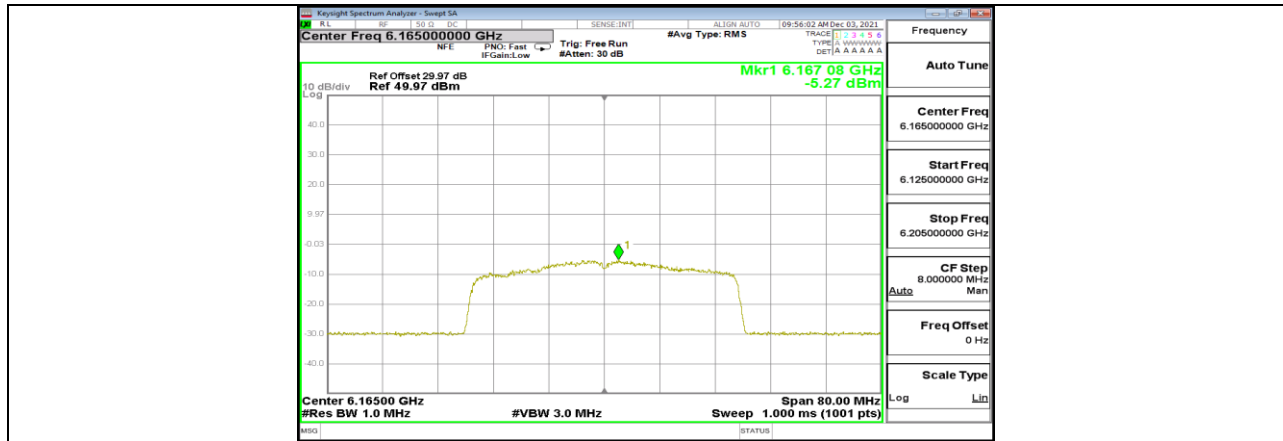
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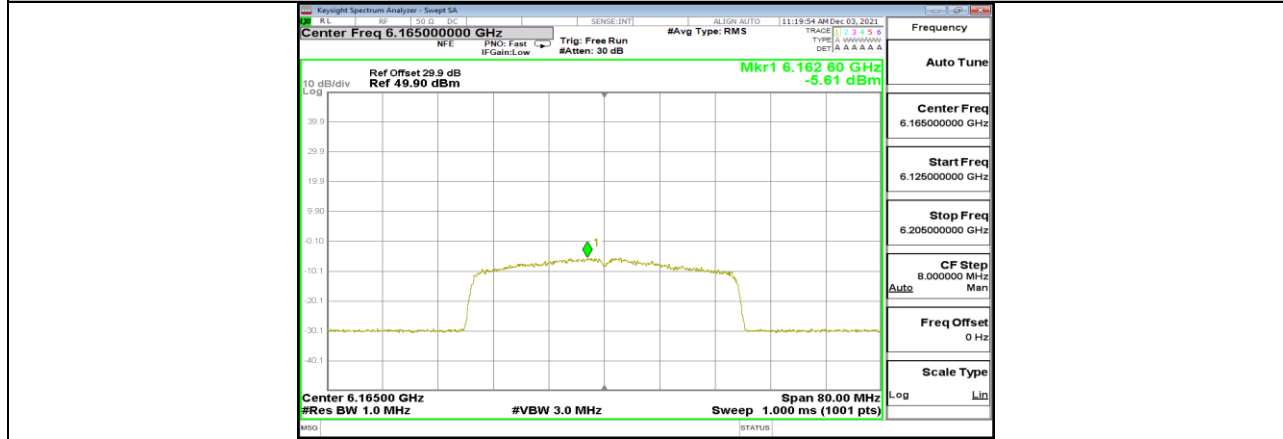
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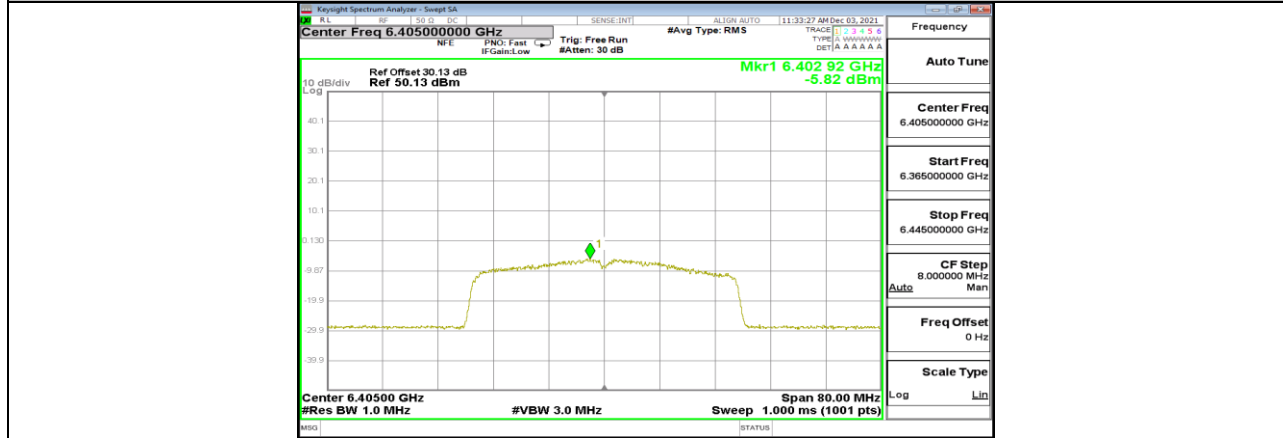
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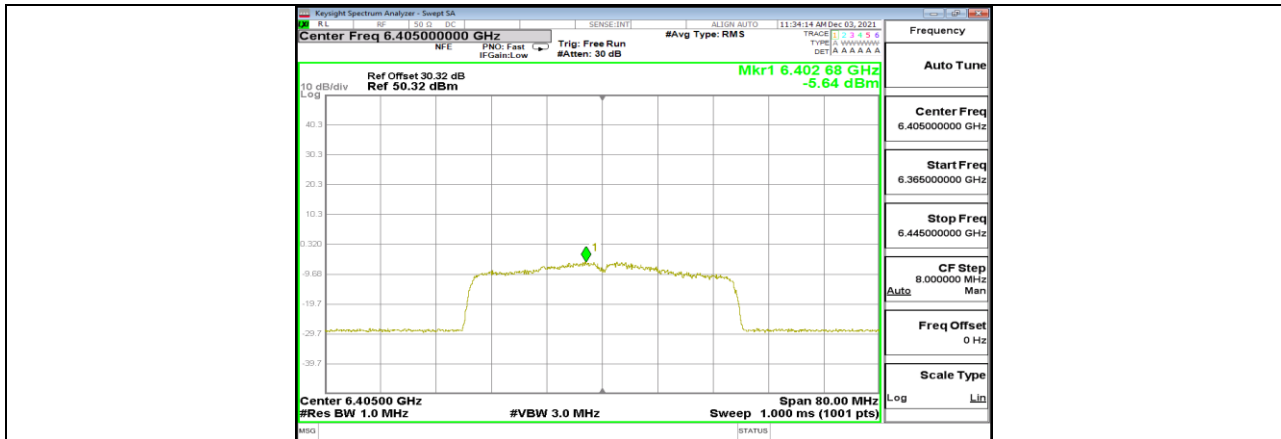
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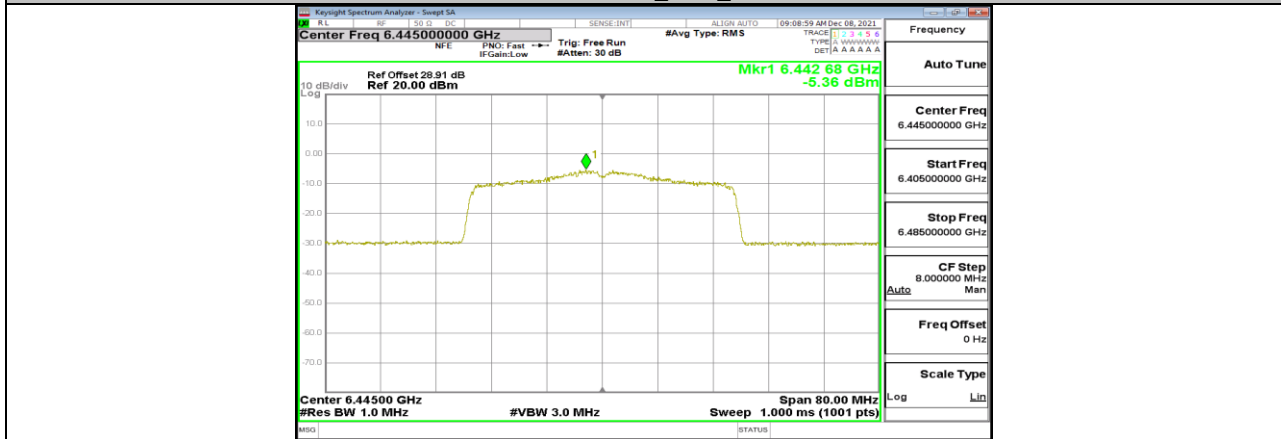
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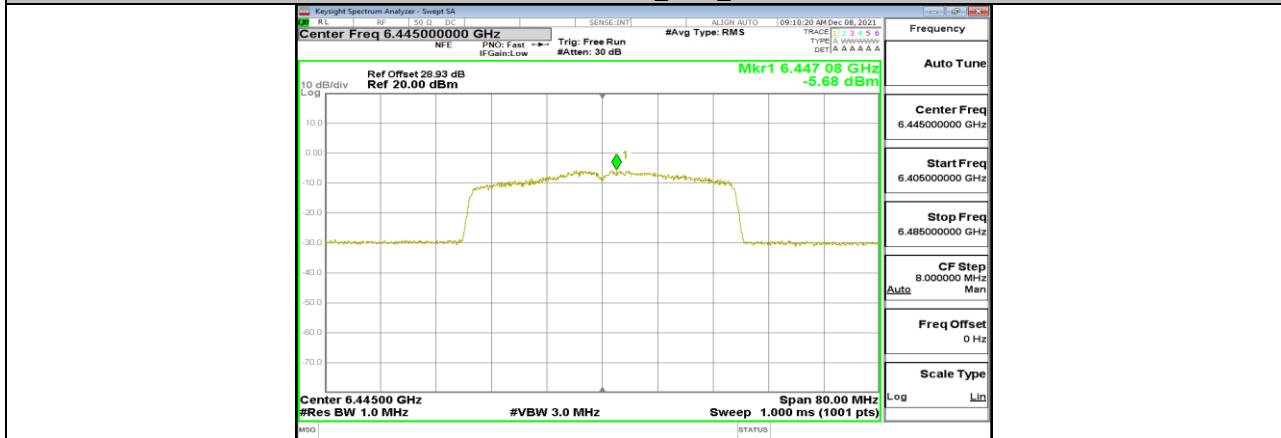
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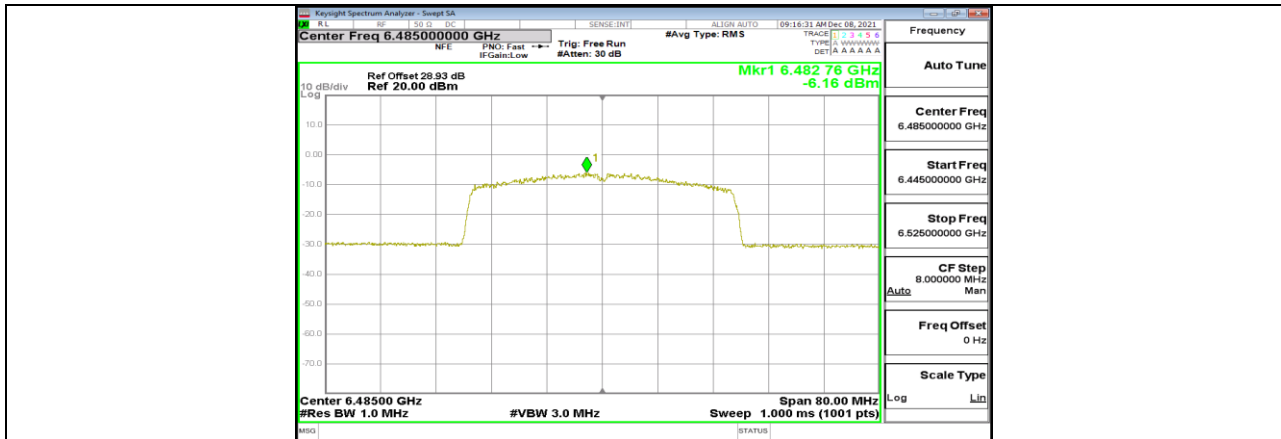
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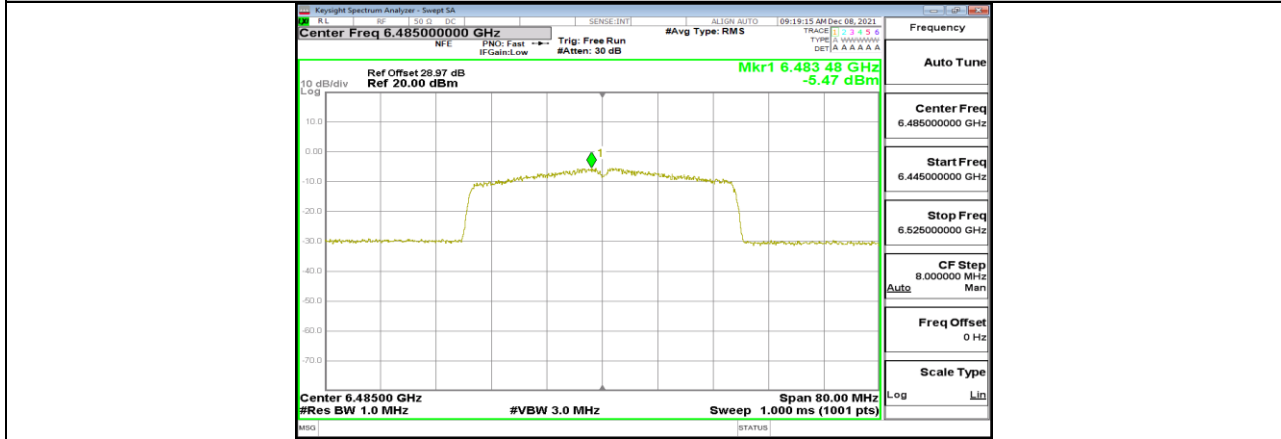
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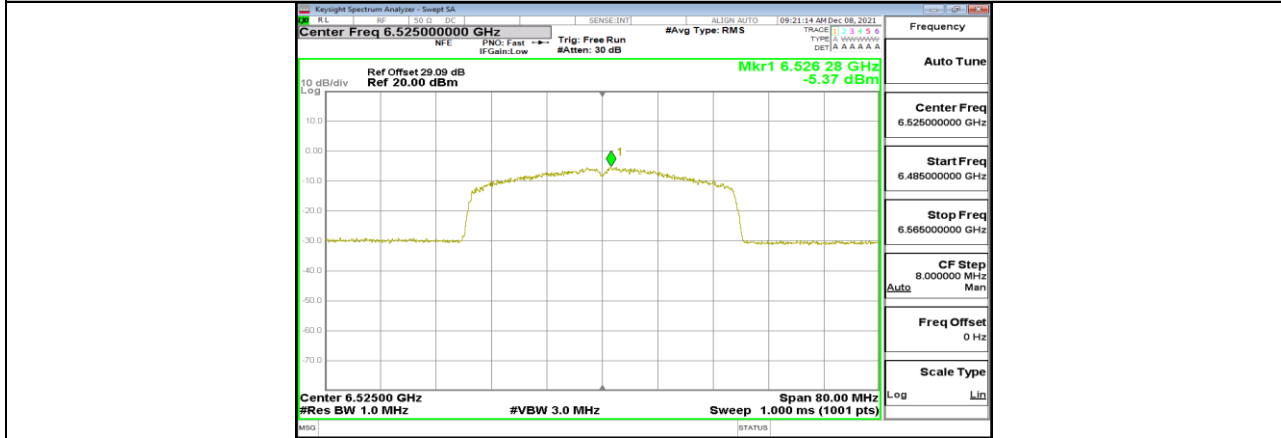
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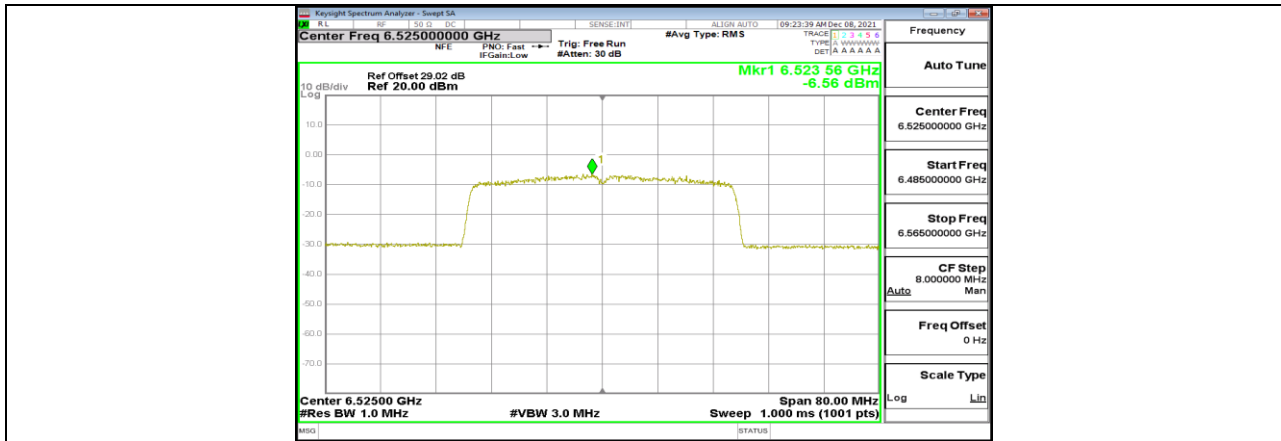
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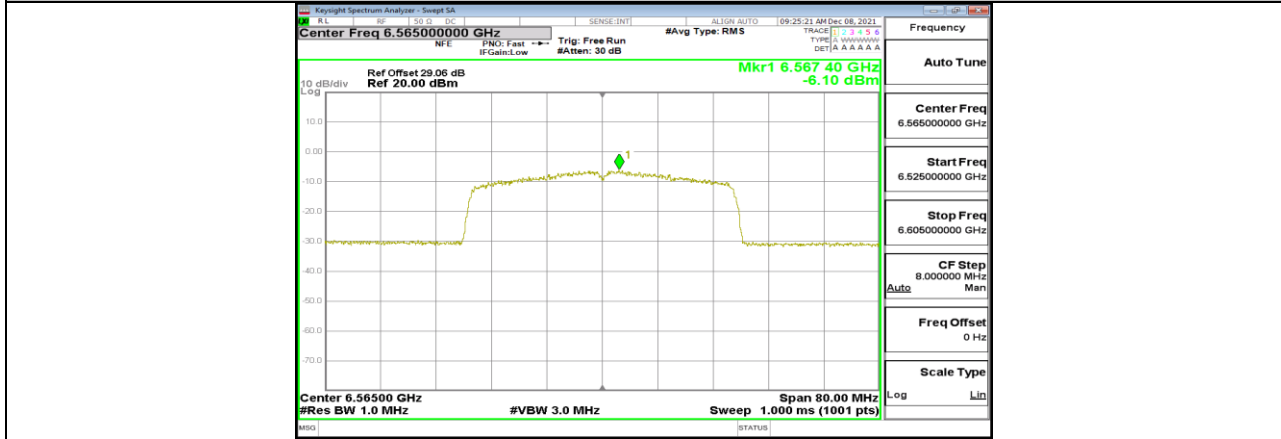
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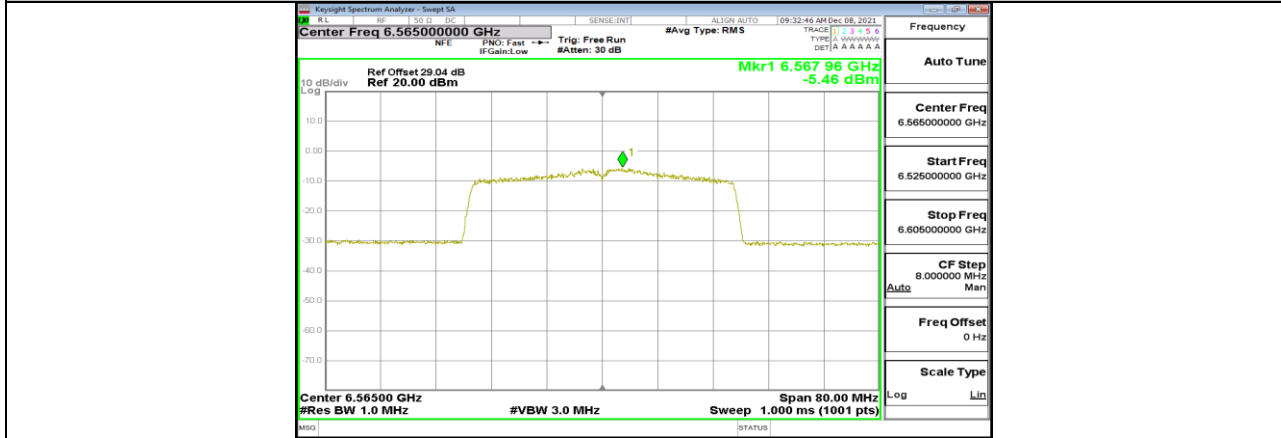
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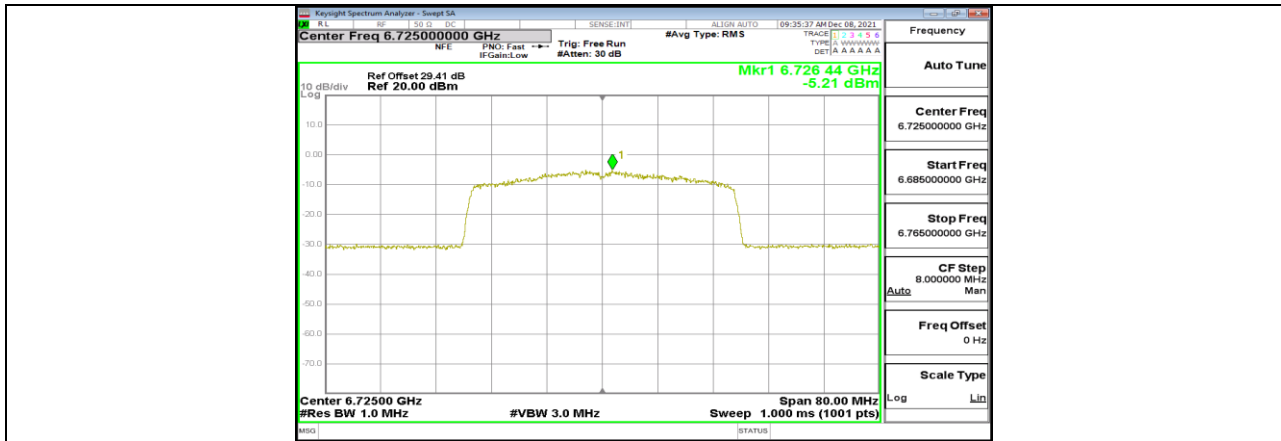
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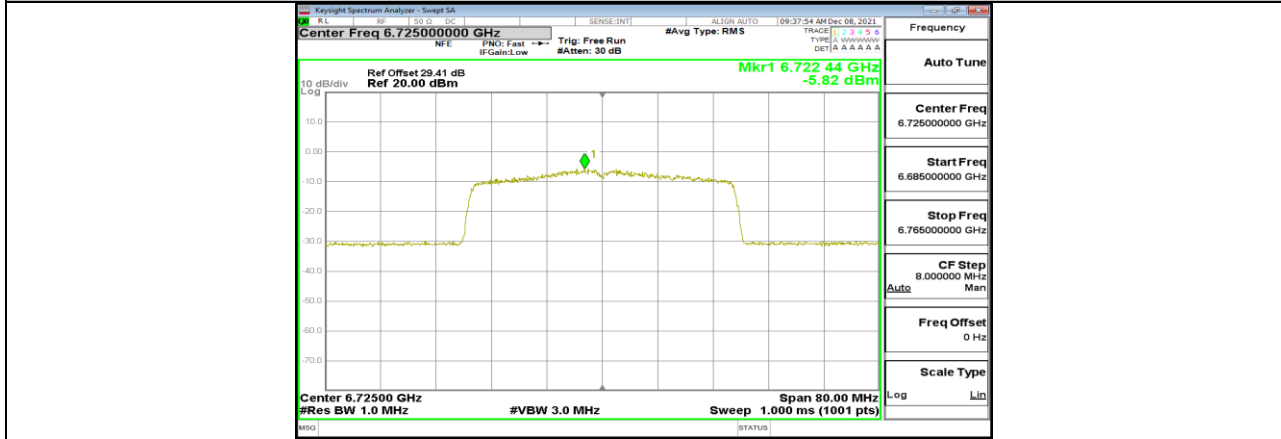
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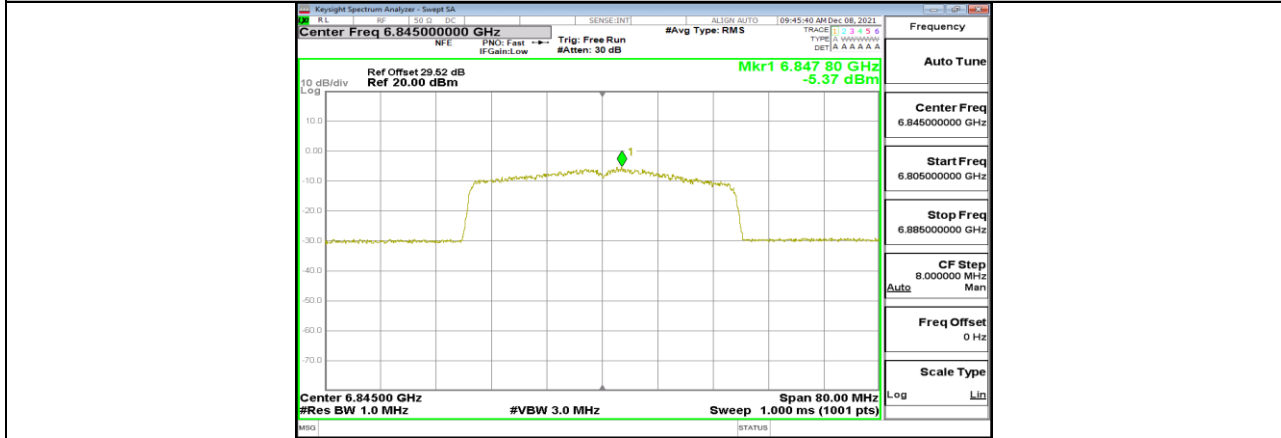
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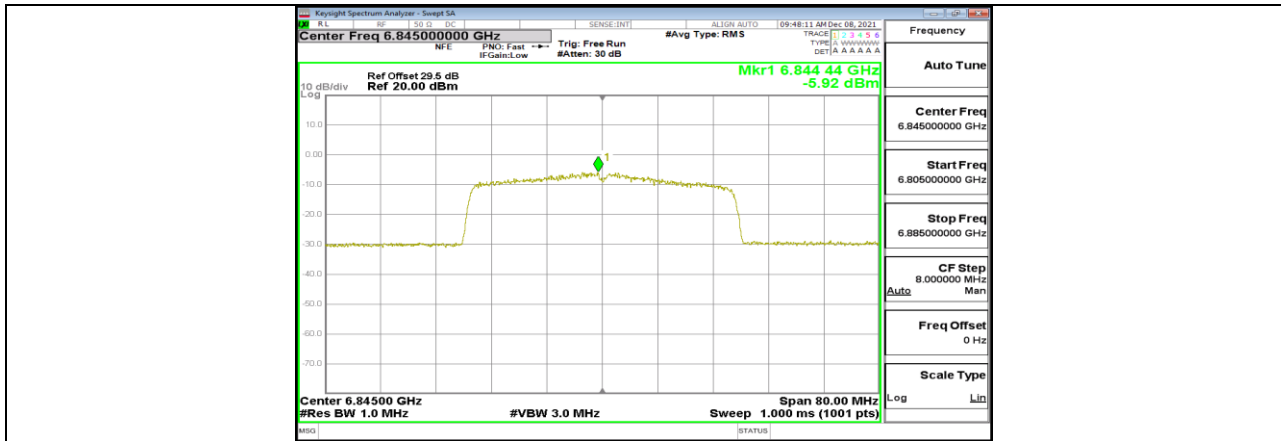
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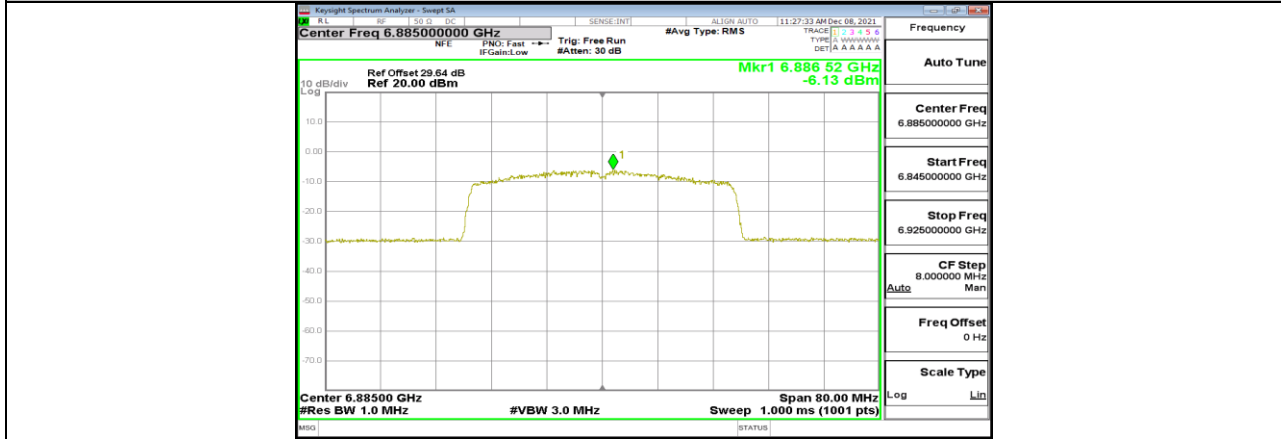
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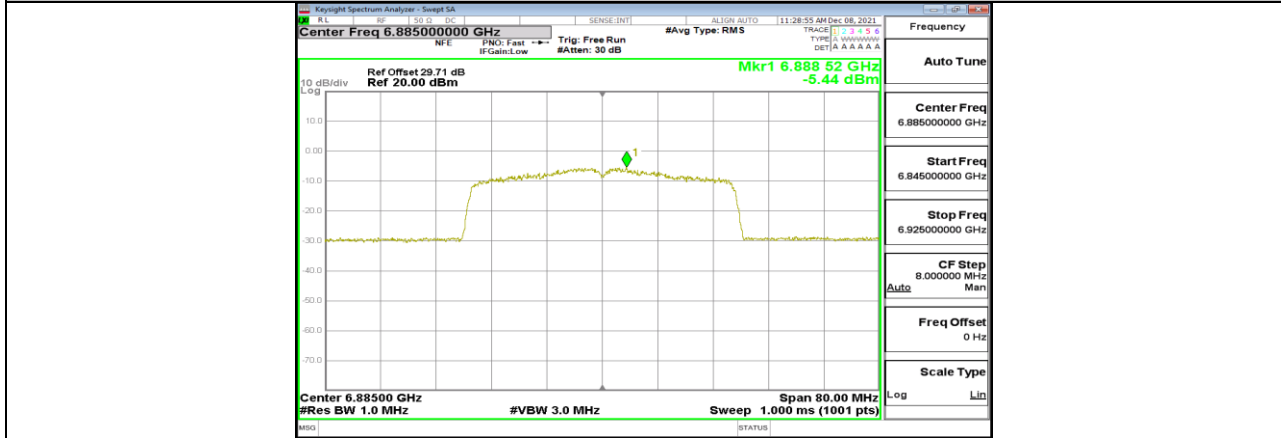
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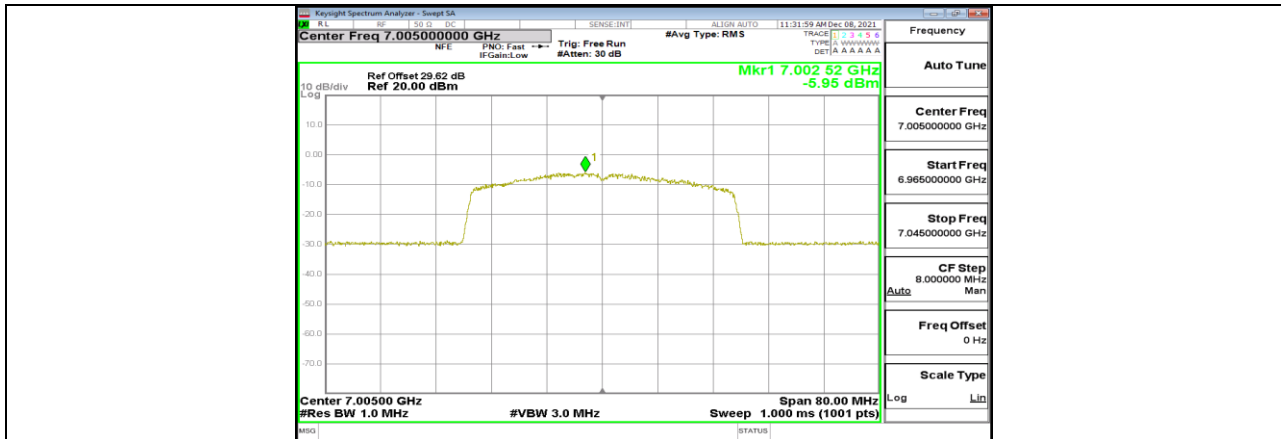
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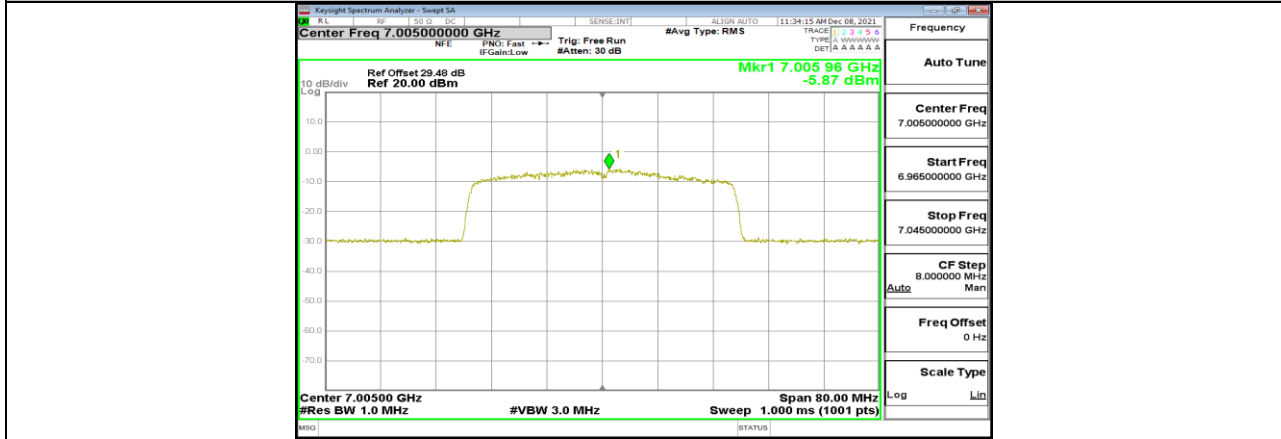
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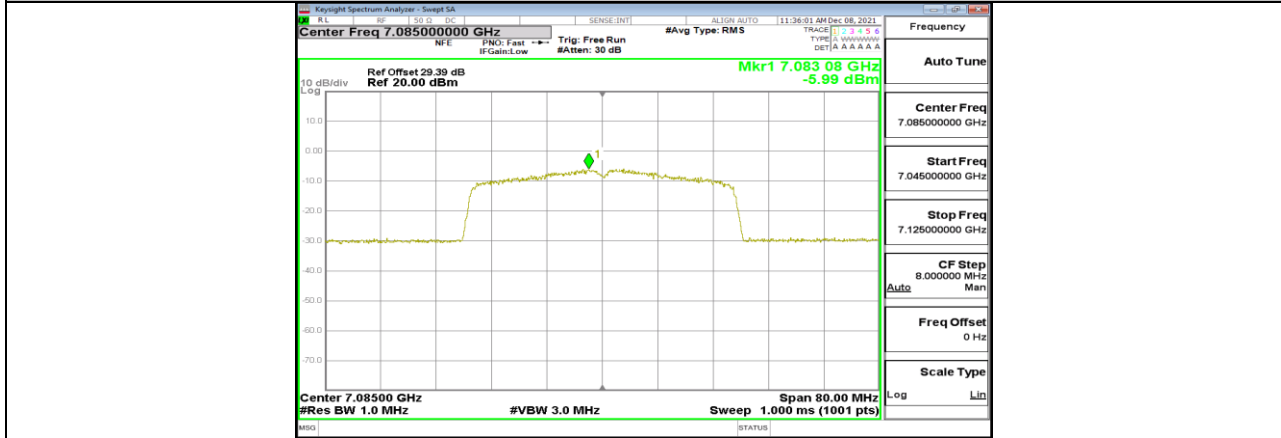
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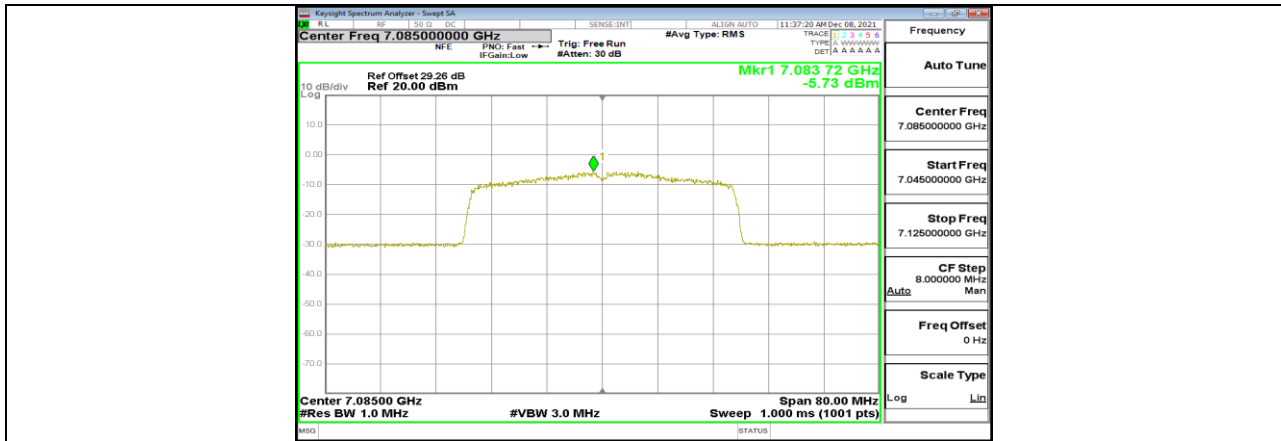
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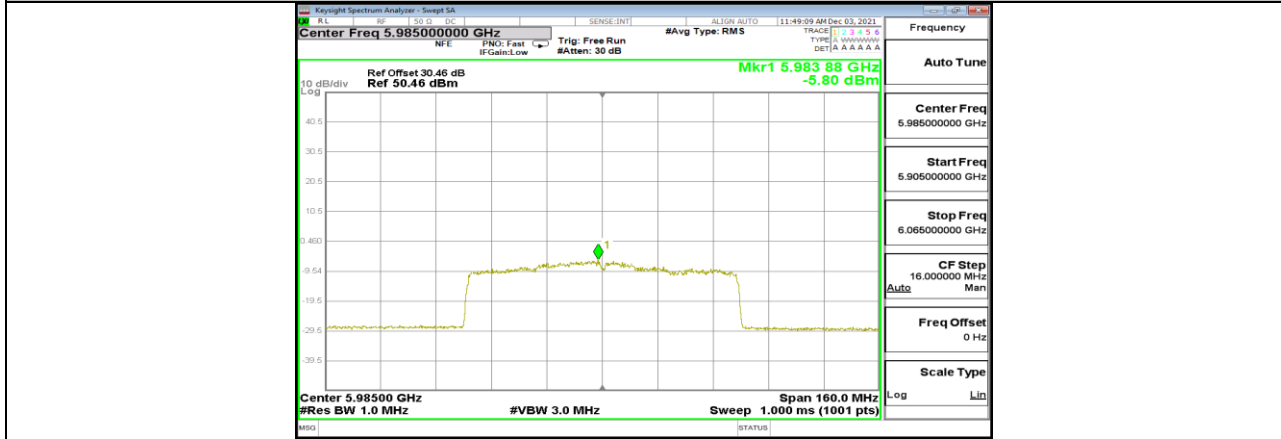
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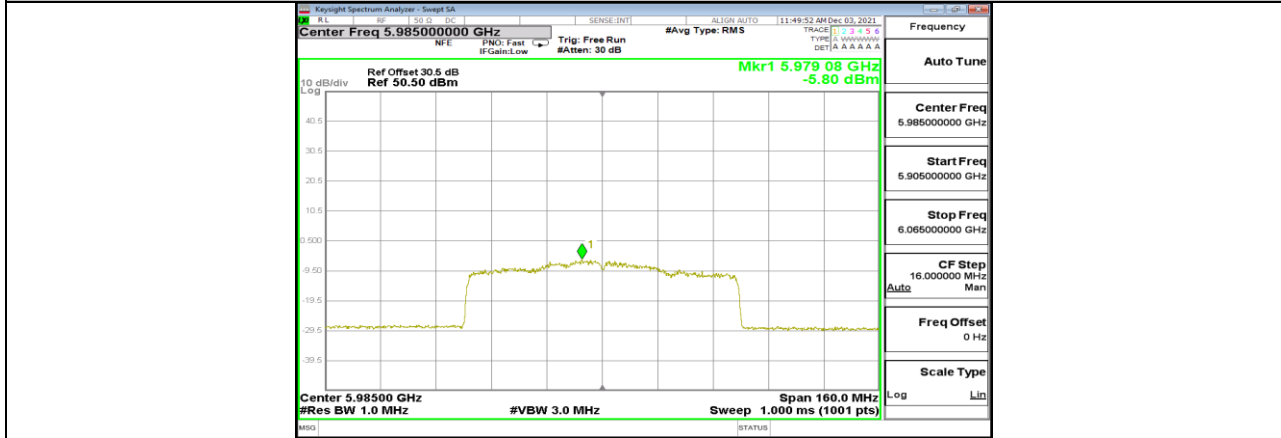
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11AX40MIMO_Ant2_7085



11AX80MIMO_Ant1_5985



11AX80MIMO_Ant2_5985